

Model No. 2-Pole cage motor 6RN 180M 22kW D400V 50Hz IM3021-FF300

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load FL 3/4FL 1/2FL	PF at __ load FL 3/4FL 1/2FL	I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
400	D	50	22	30	40,5	2945	71,3	IE1	89,9	0,87	7,70	2,50	3,50
690	Y				23,3								
460	D	60	24,5	32,84	39,5	3550	65,9	IE1	89,5	0,87	8,20	2,35	3,70

Motor type	6RN180M02E12
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	22 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	temp.rise acc. F
Temperature rise winding	74 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area
Te time	0 sec

Degree of protection	IP55
Mounting type	IM3021-FF300
Cooling method	IC411
Motor weight - approx.	151 kg
Gross weight - approx.	156 kg
Motor inertia	0,0690 kgm ²
Vibration level	according IEC60034-14

Rotor type	Cage motor
Bearing type	6310-2Z/C3WT

Type of grease	Unirex N3
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Country of origin	CZ
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	250%	767%	252%	350%	14,9 A
@ D 460V 60Hz	235%	817%	250%	370%	13,1 A

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30



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